

AMENDMENTS TO THE SPECIFICATION

IN THE ABSTRACT OF THE DISCLOSURE:

Replace the Abstract of the Disclosure currently of record with the attached new Abstract of the Disclosure.

IN THE SPECIFICATION:

Please replace paragraph 22 with the following new paragraph:

[0022] ~~An object~~ A first aspect of the present invention is to provide a data transmission apparatus that can identify the function used by a data reception apparatus in order to adapt the communication function of the data transmission apparatus itself to one compatible with the data reception apparatus. Another ~~object~~ aspect of the present invention is to provide a data reception apparatus that transmits a signal that permits such a data transmission apparatus to identify the function of the data reception apparatus itself. Still another ~~object~~ aspect of the present invention is to provide a data communication system built with such a data transmission apparatus and such a data reception apparatus. A further ~~object~~ aspect of the present invention is to provide a data communication administration server that administers data used to identify particular data communication functions in such a data communication system.

Please replace paragraph 23 with the following new paragraph:

[0023] ~~To achieve the above objects, according~~ According to one aspect of the present invention, a data transmission apparatus is provided with: a data generator that generates data transmitted to a data reception apparatus; a data analyzer that analyzes data received from the data reception apparatus; a transmitter/receiver

that transmits and receives data to and from the data reception apparatus; and an individual compatibility information storage in which is stored a first function identification table with reference to which data communication functions used to perform data communication with the data reception apparatus are identified respectively for individual items of specific data with which the data reception apparatus permits itself to be identified. Here, when the specific data is fed through the data transmitter/receiver to the data analyzer, with reference to the first function identification table in the individual compatibility information storage, the data communication functions recognized from the specific data are identified and are brought into effect so that the data transmission apparatus is brought into a state communicable with the data reception apparatus that has transmitted the specific data thereto.

Please replace paragraph 59 with the following new paragraph:

[0059] When this high-frequency signal containing the function change completion signal is received by the AV data reception apparatus 2 via the antenna 210 thereof, it is converted into a data packet through the RF section 211 and the BB section 212, and is ~~ten~~ then fed to the decryption section 213. This data packet is then decrypted in the decryption section 213 by using the encryption code in the main memory 204, and is then subjected to error correction in

the data reception section 214 by using the error correction codes in the error correction coding section 217. Then, in the data reception section 214, when the obtained data packet is recognized as a function change completion signal, it is fed through the bus line 222 to the system control section 202, so that it is recognized that the function changing operation in the AV data transmission apparatus 1 is now complete, and that AV data communication is now possible. Accordingly, the display control section 205 is so controlled as to indicate, on the display section 207, that AV data communication is possible.

Please replace paragraph 93 with the following new paragraph:

[0093] Specifically, the model identification table shown in Fig. 11 permits the AV data transmission apparatus 1 of which the apparatus ID is "X" to communicate with the AV data reception apparatuses 2 of which the apparatus IDs are "a" to "e," and in addition indicates that the model of the AV data reception apparatuses 2 of which the apparatus IDs are "a" and "b" is "A," the model of the AV data reception apparatus 2 of which the apparatus ID is ~~"b"~~ "c" is "B," and the model of the AV data reception apparatuses 2 of which the apparatus ID is "d" and "e" is "C."

Please replace paragraph 173 with the following new paragraph:

[0173] According to an embodiment of the present invention, a data transmission apparatus can, by receiving the specific data or function data of a data reception apparatus, identify the data communication functions that suit the data reception apparatus that is requesting data communication and change the functions of the data transmission apparatus itself to those identified data communication functions. Thus, the data transmission apparatus can be made communicable with a data reception apparatus that is not compatible with the currently set data communication functions once the data communication functions with which the data reception apparatus is compatible are identified with reference to its specific data or function data. Moreover, by administering, on a data communication administration server, the data communication functions corresponding to specific data or function data and the software programs for realizing them, it is possible to download and add to the data transmission apparatus such data communication functions and software programs as have hitherto not been identifiable in the data transmission apparatus.

Please replace paragraph 174 with the following new paragraph:

[0174] Moreover, according to an embodiment of the present invention, the data transmission apparatus can, based on the specific data of the data reception apparatus, identify the model

thereof or the individual data reception apparatus. Thus, the data transmission apparatus can check whether or not it can communicate with the data reception apparatus. Moreover, in a case where the individual data reception apparatus is identified based on the specific data, it is possible to check whether it is a data reception apparatus with which the data transmission apparatus is permitted to communicate. Moreover, by administering, on the data communication administration server, the specific data of data transmission apparatuses on an apparatus-by-apparatus basis, it is possible to administer the data reception apparatuses that can communicate with each data transmission apparatus. Here, in a case where each apparatus has its own specific data, it is possible to administer, on the data communication administration server, the data reception apparatuses that are permitted to communicate with each data transmission apparatus.